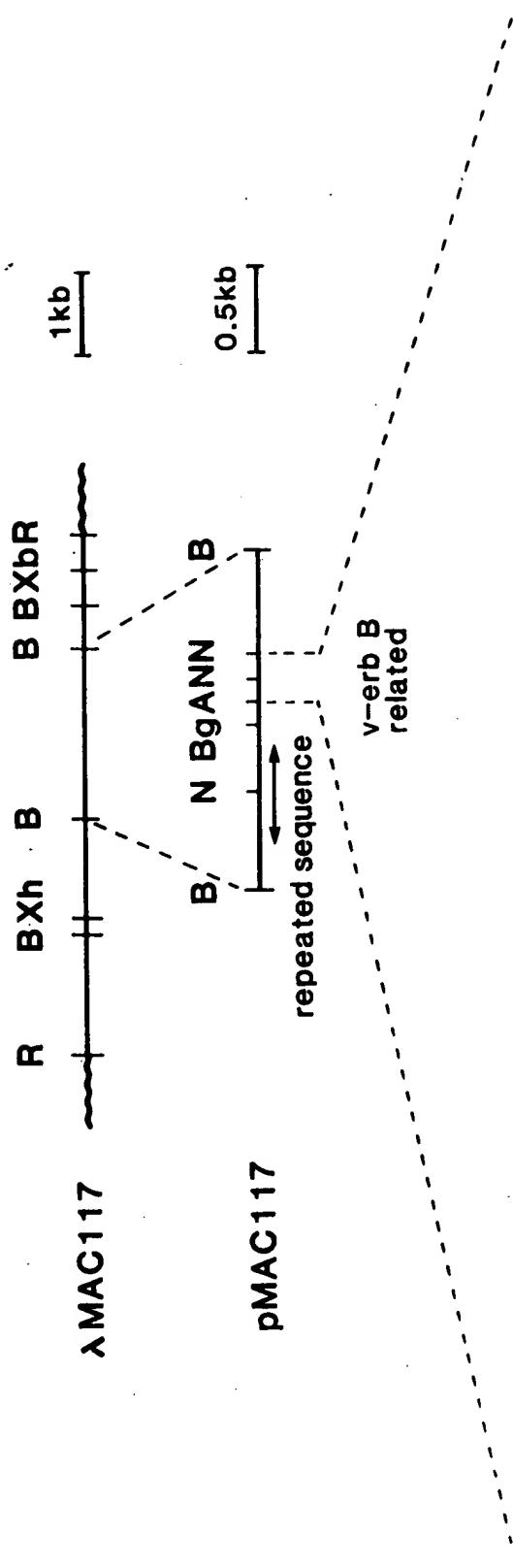


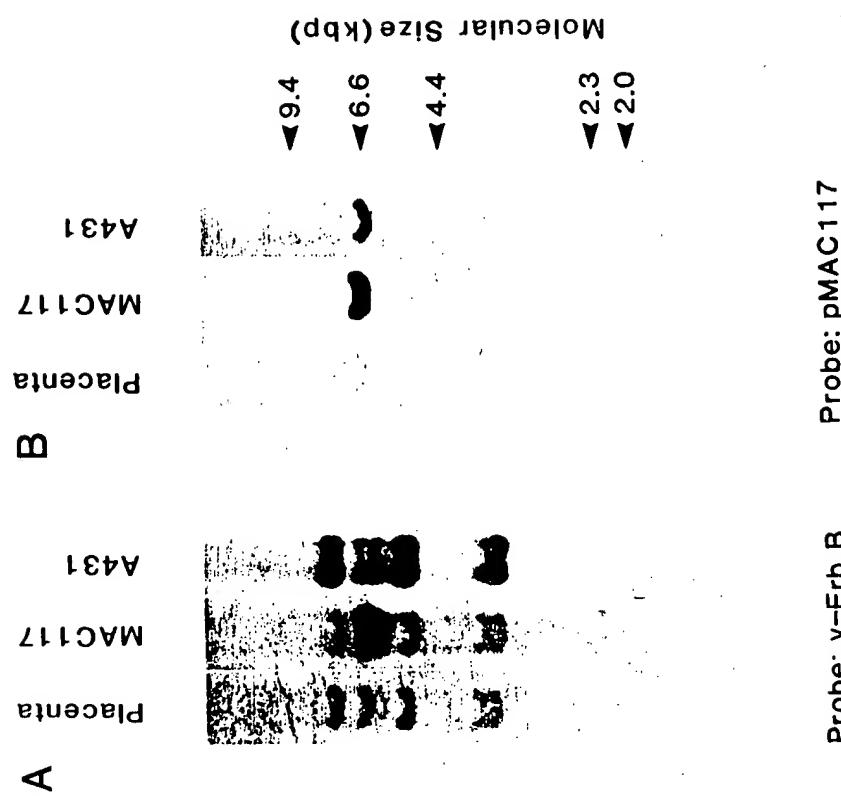
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| | | | | | |
|-----|--|----|----|----|----|
| 0 | GTCTACATGGCTTCCCATTCC <u>CAGGGG</u> TGAGCTACCTGGAGGATGCGTACACAGGGACTGGCCGCTCGGAACGTGCTGGTCAGAGTC GlyMetSerTyrLeuGluAspVal <u>Arg</u> LeuValHis <u>Arg</u> AspLeuAla <u>Ala</u> Arg <u>Asn</u> ValleuValleuValleuValleu | 50 | 70 | 80 | 90 |
| 100 | CAACCATGTCAAATTACAGACTCTGGCTGGGACATTGACCGAGACAGAGTACCATGCAGATGGGGCAAG <u>GTT</u> o <u>Asn</u> Hi <u>s</u> Valleu <u>Asp</u> Phe <u>Gly</u> Leu <u>Ala</u> Arq <u>Leu</u> Asp <u>Leu</u> Asp <u>Glu</u> Thr <u>Glu</u> U <u>Asp</u> Gly <u>Gly</u> lys | | | | |
| 200 | GAGCAGAGGGCTGGGAGTGGTGTCTAGCCCCATGGGAGAACTCTGAGTGGCACCTCCCACAAACACAGTTGGGACTTCCCTTGCCCTC | | | | |
| 300 | CC <u>AGGT</u> GCCCCATCAAG <u>GGG</u> ATGGGAGTC <u>CC</u> ATTC <u>CG</u> GGGGTT <u>CA</u> CC <u>AC</u> CA <u>GG</u> A <u>GT</u> GAT <u>GT</u> GT <u>GG</u> <u>AG</u> <u>TT</u> <u>AT</u> <u>GG</u> <u>GT</u> <u>GT</u> <u>GA</u> <u>T</u> <u>GG</u> <u>GG</u> <u>GG</u> <u>GT</u> <u>GT</u> ValProIle <u>Lys</u> Trp <u>Met</u> Ala <u>Ile</u> Leu <u>Glu</u> Ser <u>Ile</u> Leu <u>Arg</u> <u>Arg</u> <u>Ph</u> <u>e</u> <u>Thr</u> <u>His</u> <u>Gln</u> <u>Ser</u> <u>Asp</u> <u>Val</u> <u>Trp</u> <u>Ser</u> <u>Tyr</u> <u>Gly</u> | | | | |

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FIG. 2



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SEQUENCE COMPARISON WITH TYROSINE KINASE PROTEINS

| | Homo ^{logy} | * | *** | * | *** | * | *** |
|-----------------|----------------------|---|-----|---|-----|---|-----|
| pMAC117 | | | | | | | |
| Human EGF R | 85% | G | M | S | Y | L | D |
| v-erb B | 85% | M | S | Y | E | R | |
| v-src | 52% | N | A | V | R | A | I |
| v-abl | 51% | R | M | N | T | Q | Q |
| v-fms | 50% | A | K | N | A | C | I |
| Human Insulin R | 42% | A | N | A | F | N | Y |

| | * | *** | * | *** | * | *** | * | *** | * | *** |
|------------------------|---|-----|---|-----|---|-----|---|-----|---|-----|
| pMAC117 | | | | | | | | | | |
| Human EGF R | D | E | H | I | H | I | Y | | | |
| v-erb B | E | E | H | I | H | I | Y | | | |
| v-src | N | T | P | A | T | P | A | F | I | |
| v-abl | D | N | R | Q | A | F | Y | I | A | |
| v-fms | T | Y | T | A | A | F | N | S | K | |
| Human Insulin Receptor | S | T | P | A | T | P | L | A | Y | |

FIG. 3

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probe:

pMAC117 EGF
 receptor

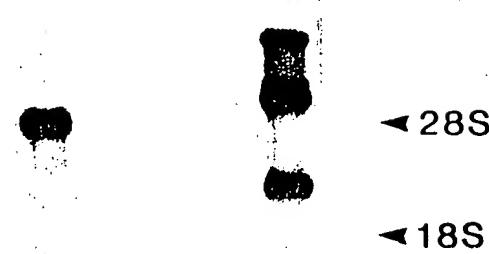
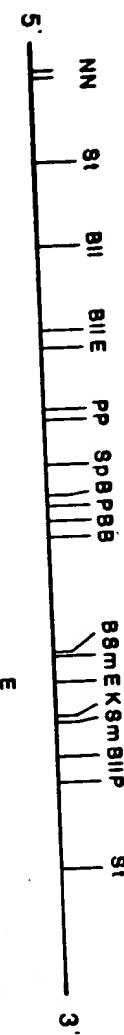


FIG. 4

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A



pMAC137



λ MAC30

λ MAC10

λ MAC14-1



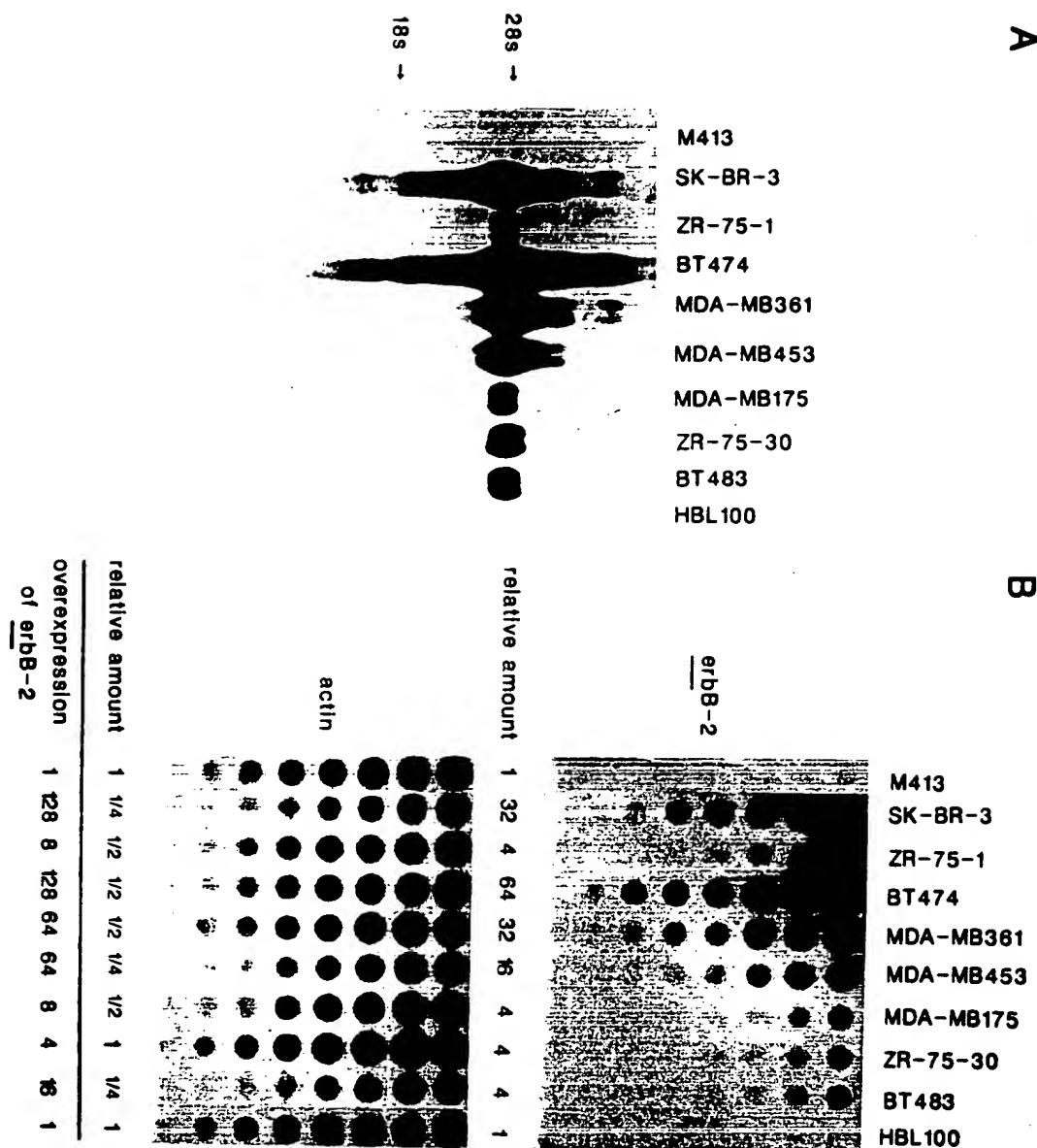
probes

B

Figure 5

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Figure 6



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Figure 7

A

+ - A431
+ - SK-BR-3
MW x 10⁻³

↑ 97

↑ 200

B

SK-BR-3
ZR-75-1
MCF-7

↑ 97

↑ 200

MW x 10⁻³

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Figure 8

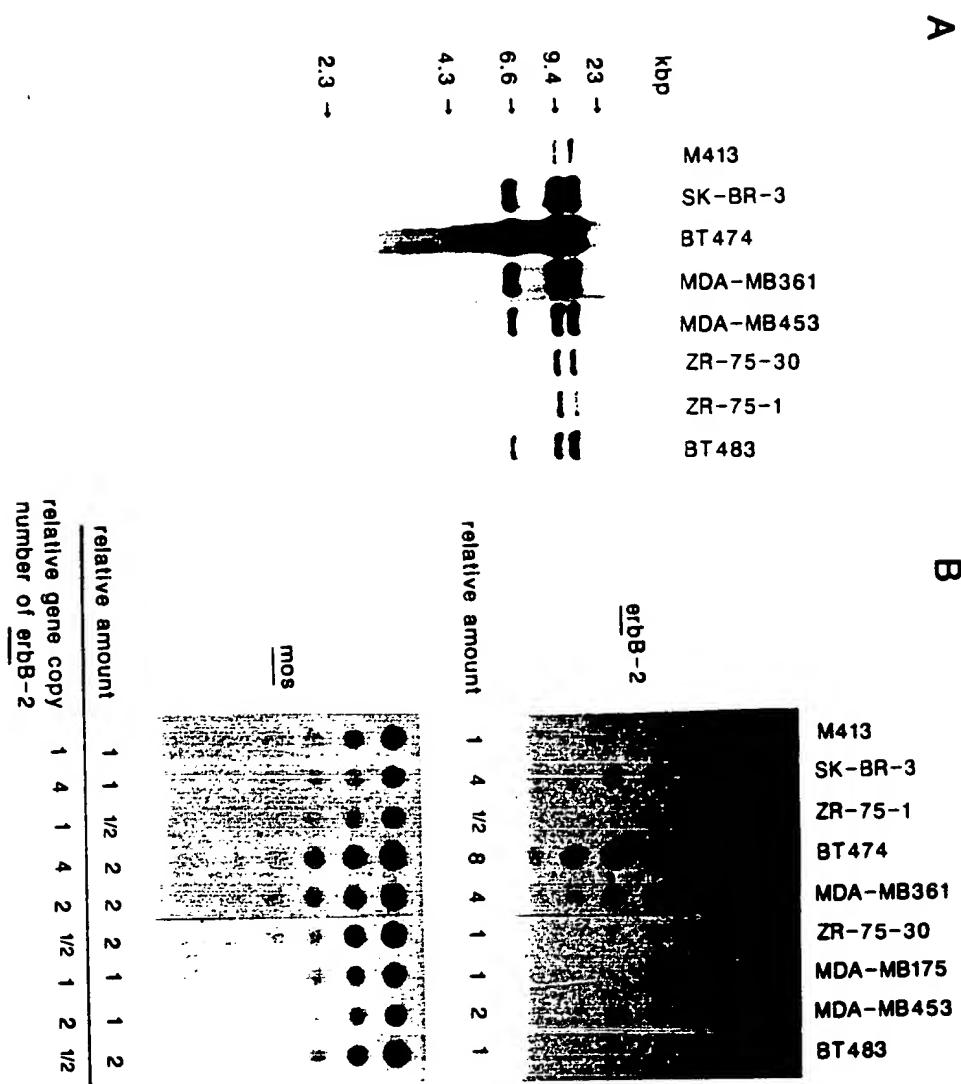
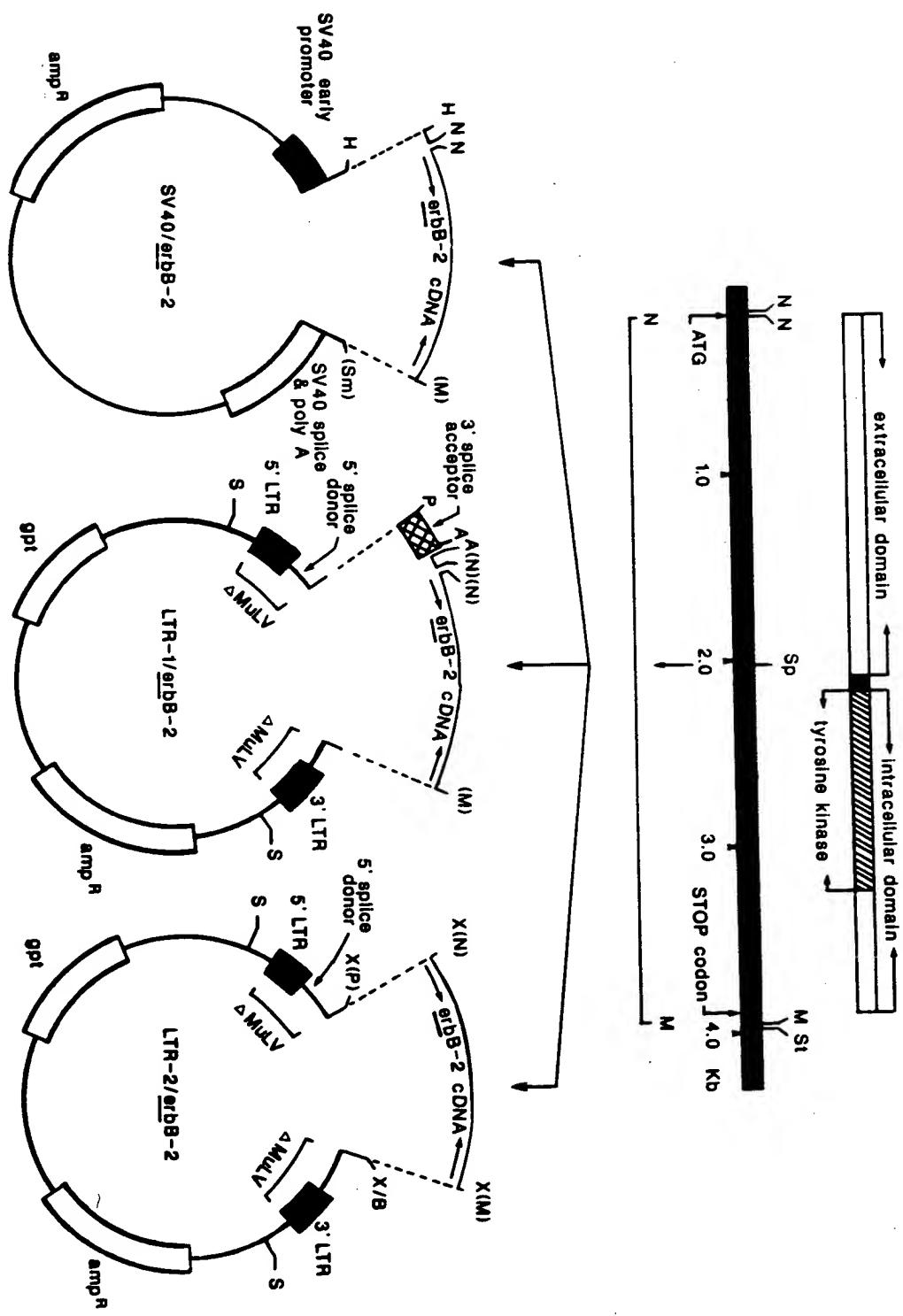


Figure 9



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Figure 10

